IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A dumb gateway device for connecting [[a]] at least one bus system with a common network layer that is designed to build a transparent access network by connecting at least one bus system via the at least one dumb gateway device to said common network layer, said dumb gateway device comprising:

a bus service interface configured to access all functionality and commands of said at least one bus system via said common network layer from an intelligent gateway connected to said common network layer.

Claim 2 (Currently Amended): [[A]] The dumb gateway device according to claim 1, wherein said bus service interface is able to post bus events on said common network layer in case a device within said respective bus system indicates the possibility to communicate via said common network layer.

Claim 3 (Currently Amended): [[A]] The dumb gateway device according to claim 1, wherein said bus service interface is usable by a device presenter to communicate with the corresponding real device connected to said respective bus system.

Claim 4 (Currently Amended): [[A]] The dumb gateway device according to claim 1, wherein said bus service interface is able to represent a virtual device to its respective bus system based on a corresponding device emulator.

Claim 5 (Currently Amended): [[A]] The dumb gateway device according to claim 1, wherein said bus service interface communicates via said common network layer according to the Universal Plug and Play protocol set.

Claim 6 (Currently Amended): [[A]] The dumb gateway device according to claim 1, wherein said intelligent gateway communicates with said dumb gateway device, which respectively connects to a respective bus system that includes at least one physical device, with a common network layer, comprising a static or dynamic possibility to provide at least one device presenter and/or at least one device emulator of at least one physical device to said common network layer.

Claim 7 (Previously Presented): An intelligent gateway for communicating between gateway devices, which respectively connect to a respective bus system, that includes at least one physical device, with a common network layer, comprising:

a static or dynamic possibility to provide at least one device presenter and/or at least one device emulator of at least one physical device to said common network layer.

Claim 8 (Previously Presented): An intelligent gateway according to claim 7, wherein a device manager that monitors bus events for new devices, which are posted on said common network layer, and finds, loads and assigns corresponding device presenters and/or emulators.

Claim 9 (Previously Presented): An intelligent gateway according to claim 8, wherein said device manager loads device presenters and/or emulators from external sources.

Claim 10 (Previously Presented): An intelligent gateway according to claim 7, further comprising:

a device presenter configured to present a real device on a bus system as a generic abstract device or service.

Claim 11 (Previously Presented): An intelligent gateway according to claim 7, further comprising:

a device emulator configured to emulate a device on a bus system based on a generic abstract device or service presentation.

Claim 12 (Previously Presented): An intelligent gateway according to claim 10, wherein said generic abstract device or service presentation is a presentation according to the Universal Plug and Play protocol set.

Claim 13 (Currently Amended): An transparent access network that integrates at least two bus systems, each of which comprises a respective gateway device according to claim 1, comprising:

at least one intelligent gateway for communicating between gateway devices, which respectively connect to a respective bus system said at least on gateway including at least one physical device, with a common network layer, including a static or dynamic possibility to provide at least one device presenter and/or at least one device emulator of at least one physical device (5;6) to said common network layer, and

said common network layer being connected to the respective gateways and said at least one intelligent gateway.